

15. (Amended) An apparatus, comprising:
an electrically conductive baseplate;
a device connected to the baseplate; and
a cover including a plastic body and at least one electrically conductive lead, wherein the
body is connected to the baseplate such that the device is enclosed by the body, and wherein the
electrically conductive lead includes an exposed portion electrically connected to the device via
an electrically conductive bump.

REMARKS

In the Office Action, claims 1-22 were rejected. More specifically, claims 1-3, 5, 7-8, 10-11 and 14 were rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 5,753,857 ("Choi"), and claims 4, 6, 9, 12-13 and 15-22 were rejected under 35 U.S.C. § 103(a) as being obvious over Choi view of U.S. Patent No. 5,097,318 ("Tanaka"). By this amendment, claims 1, 14 and 15 have been amended. Thus, claims 1-22 are pending. For the reasons set forth hereinbelow, Applicants request that the rejections associated with the pending claims be withdrawn.

Section 102(b) Rejections

Claims 1-3, 5, 7-8 and 10-11

Applicants have herein amended independent claim 1 to clarify that the device is enclosed by the plastic body when the plastic body is connected to the base. Applicants submit that

amended claim 1 is not anticipated by Choi because Choi fails to disclose each and every element of amended claim 1. *See* MPEP § 2131 (stating that a claim is anticipated only if each and every element as set forth in the claim is disclosed in a single prior art reference). More particularly, Applicants submit that Choi fails to disclose, among other elements, “a cover including a plastic body and at least one electrically conductive lead, wherein the body is connected to the base such that the device is enclosed by the body, and wherein the electrically conductive lead includes an exposed portion electrically connected to the device.”

In contrast to independent claim 1, Applicants submit that the body 10 disclosed by Choi does not enclose the package chip 17 connected to the bottom cover 18 when the body 10 is connected to the bottom cover 18. Rather, Applicants submit that Choi, referring to Figures 2 and 3 thereof, merely discloses that the package chip 17 is enclosed by a **combination** of the body 10 and a glass lid 16 attached thereto - not just the plastic body as recited in claim 1 - when the body 10 is connected to the bottom cover 18. Accordingly, Applicants submit that amended claim 1 is not anticipated by Choi. Applicants also submit that claims 2-3, 5, 7-8 and 10-11, which depend from independent claim 1, are not anticipated by Choi. Therefore, Applicants respectfully request that the § 102(b) rejections associated with these claims be withdrawn.

Claim 14

Applicants have herein amended independent claim 14 to clarify that the device is enclosed by the plastic body when the plastic body is connected to the base. For reasons similar to those set forth hereinabove with respect to independent claim 1, Applicants submit that

amended claim 14 is not anticipated by Choi, and respectfully request that the § 102(b) rejection associated with claim 14 be withdrawn.

Section 103(a) Rejections

Claims 4, 6, 9 and 12-13

Claims 4, 6, 9 and 12-13 depend from claim 1. For reasons similar to those set forth hereinabove with respect to claim 1, Applicants submit that that amended claim 1 is nonobvious over Choi in view of Tanaka because the cited references, either alone or in combination, fail to disclose, teach, or suggest each and every element of amended claim 1. *See* MPEP § 2143 (stating that one of the elements of a *prima facie* case of obviousness under § 103(a) is that the prior art references, either alone or in combination, must teach or suggest every limitation of the claimed invention). Therefore, by virtue of their dependence upon claim 1, Applicants submit that claims 4, 6, 9 and 12-13 are also nonobvious over the cited references. *See* MPEP §2143.03 (stating that if an independent claim is nonobvious under §103(a), then any claim depending therefrom is nonobvious). Thus, Applicants respectfully request that the § 103(a) rejections associated with these claims be withdrawn.

Claims 15-22

Applicants have herein amended independent claim 15 to clarify that the device is enclosed by the plastic body when the plastic body is connected to the baseplate. For reasons similar to those discussed hereinabove with respect to claim 1, Applicants submit that amended

claim 15 is nonobvious over Choi in view of Tanaka because the cited references, either alone or in combination, fail to disclose, teach, or suggest each and every element of amended claim 15. *See* MPEP § 2143 *id.* More particularly, Applicants submit that the cited references, either alone or in combination, fail to disclose, teach, or suggest, among other elements, “a cover including a plastic body and at least one electrically conductive lead, wherein the body is connected to the baseplate such that the device is enclosed by the body, and wherein the electrically conductive lead includes an exposed portion electrically connected to the device via an electrically conductive bump” as recited in amended claim 15. Applicants further submit that claims 16-22, which depend from claim 15, are also nonobvious over the cited references. *See* MPEP §2143.03 *id.* Thus, Applicants respectfully request that the § 103(a) rejections associated with claims 15-22 be withdrawn.

Marked-Up Version of Changes Made to the Claims

Attached hereto is a marked-up version of the changes made to the claims by this amendment. The first page of the marked-up version is captioned **“VERSION WITH MARKINGS TO SHOW CHANGES MADE.”**

CONCLUSION

Applicants respectfully request a Notice Of Allowance for the pending claims in the present application. If the Examiner is of the opinion that the present application is in condition for disposition other than allowance, the Examiner is respectfully requested to contact the undersigned at the telephone number listed below in order that the Examiner's concerns may be expeditiously addressed.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "Robert A. Muha", written over a horizontal line.

Robert A. Muha
Reg. No. 44,249

KIRKPATRICK & LOCKHART, LLP
Henry W. Oliver Building
535 Smithfield Street
Pittsburgh, Pennsylvania 15222

Telephone: (412) 355-8244
Facsimile: (412) 355-6501
E-mail: rmuha@kl.com

VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Claims

The following claims have been amended as indicated.

1. (Amended) An apparatus, comprising:

a base;

a device connected to the base; and

a cover including a plastic body and at least one electrically conductive lead, wherein the body is connected to the base such that the device is enclosed by the [cover] body, and wherein the electrically conductive lead includes an exposed portion electrically connected to the device.

14. (Amended) An apparatus, comprising:

a base;

a device connected to the base;

a cover including a plastic body and at least one electrically conductive lead, wherein the body is connected to the base such that the device is enclosed by the [cover] body such that an inner surface of the body of the cover and an upper surface of the device define an air gap therebetween, and wherein the electrically conductive lead includes an exposed portion; and

an electrically conductive bump electrically connected between the device and the exposed portion of the electrically conductive lead.

15. (Amended) An apparatus, comprising:

- an electrically conductive baseplate;
- a device connected to the baseplate; and
- a cover including a plastic body and at least one electrically conductive lead, wherein the body is connected to the baseplate such that the device is enclosed by the [cover] body, and wherein the electrically conductive lead includes an exposed portion electrically connected to the device via an electrically conductive bump.